Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	04/18/2018 09:50 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124762	-1	1.35	124646	1.31
Blue	F	SSC	125000	124565	-1	3.03	124871	2.70
Blue	E	FITC	23615	22980	-3	2.72	1024	10.81
Blue	D	PE	26739	26249	-2	2.06	942	10.28
Blue	B	PerCP-Cy5-5	48339	47387	-2	3.43	1361	17.57
Blue	A	PE-Cy7	45021	44903	-1	5.22	701	36.64
Red	C	APC	53064	51739	-3	2.82	2970	9.81
Red	A	APC-Cy7	57175	56446	-2	3.04	1169	11.83
Violet	B	V450	14728	14162	-4	5.64	679	10.03
Violet	A	V500	58621	57225	-3	5.46	2532	7.53

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19358	2.52	613	-1	N/A	N/A	Pass
Blue	F	SSC	61529	1.63	562	16	N/A	N/A	Pass
Blue	E	FITC	116	42.60	551	3	0.0193	303	Pass
Blue	D	PE	208	30.41	541	5	0.1470	253	Pass
Blue	B	PerCP-Cy5-5	213	47.26	640	5	0.0093	114	Pass
Blue	A	PE-Cy7	74	127.08	699	6	0.0111	20	Pass
Red	C	APC	338	28.94	602	5	0.0187	51	Pass
Red	A	APC-Cy7	128	42.74	586	6	0.0049	1641	Pass
Violet	B	V450	83	46.64	466	-4	0.0496	2889	Pass
Violet	A	V500	186	26.82	493	-4	0.0153	1691	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	04/18/2018 09:50 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.99	-31.70	0.94
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.33
Red	17.78	14.40 - 21.60	N/A	N/A	31.42	31.79	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 9715

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments